

**I.R. 77 NORMAL SECTION**

LIMITING STATIONS  
 STA. 391+37.36 TO STA. 425+05.16  
 STA. 427+10.73 TO STA. 429+01.43  
 STA. 431+16.15 TO STA. 469+46.33

SEE EDGE DETAILS ON SHEET 54  
 SEE GUARDRAIL INSTALLATION DETAIL ON SHEET 52  
 SEE CURB DETAIL "A" ON SHEET 54  
 SEE BARRIER DETAIL "A" ON SHEET 54  
 SEE NOISE BARRIER C PLANS ON SHEETS 1082-1091  
 SEE NOISE BARRIER E PLANS ON SHEETS 1092-1100

SEE EDGE DETAILS ON SHEET 54  
 SEE GUARDRAIL INSTALLATION DETAIL ON SHEET 52  
 SEE CURB DETAIL "A" ON SHEET 54  
 SEE BARRIER DETAIL "A" ON SHEET 54  
 SEE NOISE BARRIER G PLANS ON SHEETS 1101 - 1109

FOR EXISTING LEGEND, SEE SHEET 59  
 FOR SUPERELEVATION TABLES, SEE SHEETS 805 - 806  
 FOR WIDTH TABLE, SEE SHEET 36

NOTE 'A'  
 TACK COAT SHALL BE APPLIED BETWEEN THE MULTIPLE LIFTS OF ITEM 302.

\* 0.04 OR RATE OF PAVEMENT SLOPE IF GREATER.  
 \*\* FOR HIGH SIDE SHOULDER SLOPES, SEE SHOULDER DETAIL "A" ON SHEET 52.  
 \*\*\* FOR SHOULDER SLOPES APPROACHING WARNER ROAD BRIDGE AND THE TUSCARAWAS RIVER BRIDGE SEE SUPERELEVATION TABLES ON SHEETS 805 - 806.

△ - OR AS SHOWN IN UNDERDRAIN PLANS, SHEETS 922 - 925

○ - PROJECT WAS ORIGINALLY DESIGNED AS DUAL PAVEMENT, HOWEVER THE RIGID PAVEMENT OPTION HAS NOW BEEN REMOVED FROM THE PROJECT. ANY AND ALL REFERENCE THROUGHOUT THE PLANS TO RIGID PAVEMENT OPTION ARE NOW CONSIDERED NULL AND VOID.

**PROPOSED LEGEND**

- ① ~~RIGID PAVEMENT OPTION USING:~~  
~~ITEM 452 - 12" NON-REINFORCED CONCRETE PAVEMENT, CLASS GC-1P WITH GC/OA~~ ○  
 -OR-  
 FLEXIBLE PAVEMENT OPTION USING:  
 ITEM 442 - 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (447), AS PER PLAN  
 ITEM 442 - ANTI-SEGREGATION EQUIPMENT  
 ITEM 407 - NON-TRACKING TACK COAT (SEE NOTE 'A' ON THIS SHEET)  
 ITEM 442 - 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446), AS PER PLAN  
 ITEM 442 - ANTI-SEGREGATION EQUIPMENT  
 ITEM 407 - NON-TRACKING TACK COAT (SEE NOTE 'A' ON THIS SHEET)  
 ITEM 302 - 8" ASPHALT CONCRETE BASE, PG64-22
- ② ITEM 304 - 6" AGGREGATE BASE
- ③ ITEM 304 - VARIABLE DEPTH AGGREGATE BASE (6" MINIMUM)
- ④ ITEM 204 - SUBGRADE COMPACTION
- ⑤ ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B1
- ⑥ ITEM 659 - SEEDING AND MULCHING
- ⑦ ~~RIGID OPTION:~~  
~~ITEM 618 - RUMBLE STRIPS, SHOULDER (CONCRETE)~~ ○  
 -OR-  
 FLEXIBLE OPTION:  
 ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)
- ⑧ ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- ⑨ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- ⑩ ~~LONGITUDINAL JOINT AS PER BP-2.1 (FOR RIGID PAVEMENT OPTION)~~ ○
- ⑪ ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B1 (4" ITS MULTICELL CONDUIT PER SCD RM-4.3)
- ⑫ ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C1 (4" ITS MULTICELL CONDUIT PER SCD RM-4.3)
- ⑬ ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
- ⑭ ITEM 441 - 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL), AS PER PLAN
- ⑮ ITEM 209 - LINEAR GRADING, AS PER PLAN
- ⑯ ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN  
 ITEM 617 - SHOULDER PREPARATION  
 ITEM 617 - WATER
- ⑰ ITEM 408 - PRIME COAT, AS PER PLAN
- ⑱ ITEM 606 - GUARDRAIL, TYPE MGS
- ⑲ ITEM 206 - CEMENT  
 ITEM 206 - CURING COAT  
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 12" DEEP (SEE SHEET 69)
- ⑳ ITEM 204 - PROOF ROLLING
- ㉑ ITEM 601 - CONCRETE SLOPE PROTECTION
- ㉒ ITEM 601 - PAVED GUTTER, TYPE 1-2, AS PER PLAN
- ㉓ ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN
- ㉔ ITEM 526 - REINFORCED CONCRETE APPROACH SLABS WITH QC/OA (T=15"), AS PER PLAN
- ㉕ ITEM 526 - REINFORCED CONCRETE APPROACH SLABS WITH QC/OA (T=17")
- ㉖ ITEM 609 - CURB, TYPE 4-C, AS PER PLAN
- ㉗ ITEM 202 - PAVEMENT REMOVED
- ㉘ ITEM 441 - 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ㉙ ITEM 441 - 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- ㉚ ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22
- ㉛ ITEM 407 - NON-TRACKING TACK COAT (SEE NOTE 'A' ON THIS SHEET)
- ㉜ ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE
- ㉝ ITEM 442 - 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (447), AS PER PLAN  
 ITEM 442 - ANTI-SEGREGATION EQUIPMENT
- ㉞ ITEM 442 - 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446), AS PER PLAN  
 ITEM 442 - ANTI-SEGREGATION EQUIPMENT
- ㉟ ITEM 302 - 8" ASPHALT CONCRETE BASE, PG64-22
- ㊱ ITEM 601 - 12" ROCK CHANNEL PROTECTION, TYPE D WITH AGGREGATE FILTER, AS PER PLAN
- ㊲ ITEM 671 - EROSION CONTROL MAT, TYPE G
- ㊳ ITEM 836 - SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1
- ㊴ ITEM 601 - 18" ROCK CHANNEL PROTECTION, TYPE C WITH AGGREGATE FILTER, AS PER PLAN
- ㊵ ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)

REVISIONS		
NO.	DATE	DESCRIPTION
5	04/22/21	REVISED ITEM 601 DESCRIPTION
6	04/26/21	REVISED ITEM 601 DESCRIPTION

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**EROSION CONTROL**

**SEEDING AND MULCHING**

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

FOR SEEDING AND MULCHING QUANTITIES, SEE SHEETS 8GS00000098

**ITEM 601 - PAVED GUTTER, TYPE 1-2, AS PER PLAN**

THIS ITEM SHALL CONSIST OF CONSTRUCTING CONCRETE PAVED GUTTER AS PER STANDARD CONSTRUCTION DRAWING DM-2.1 AND THE DETAILS AS SHOWN ON SHEETS 8GY340CY247B THE LOCATIONS SHOWN IN THE PLANS. THE GUTTER SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN IN THE DETAIL. A SIDE CUTOFF WALL SHALL BE CONSTRUCTED AS SHOWN PER THE DETAIL FOR THE ENTIRE LENGTH OF THE GUTTER. END CUTOFF WALLS SHALL BE AS PER STANDARD DRAWING DM-2.1. PEJF (PREFORMED EXPANSION JOINT FILLER) SHALL BE PER CMS 516 AND IS INCLUDED IN THE COST OF THE PAVED GUTTER.

ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE THE ABOVE-DESCRIBED WORK SHALL BE INCLUDED IN THE CONTRACT PRICE BID FOR ITEM 601 - PAVED GUTTER, TYPE 1-2, AS PER PLAN.

**ITEM 601 - ROCK CHANNEL PROTECTION, TYPE D WITH AGGREGATE FILTER, AS PER PLAN**

THIS ITEM SHALL CONSIST OF PLACING ROCK CHANNEL PROTECTION WITH AGGREGATE FILTER PER CMS ITEM 601.09 AND ITEM 703.19 EXCEPT THAT ALL MATERIALS SHALL BE NATURAL STONE.

**ITEM 601 - ROCK CHANNEL PROTECTION, TYPE C WITH AGGREGATE FILTER, AS PER PLAN**

THIS ITEM SHALL CONSIST OF PLACING ROCK CHANNEL PROTECTION WITH AGGREGATE FILTER PER CMS ITEM 601.09 AND ITEM 703.19 EXCEPT THAT ALL MATERIALS SHALL BE NATURAL STONE.

**WATER QUALITY**

**POST CONSTRUCTION STORM WATER TREATMENT**

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

**VEGETATED FILTER STRIP**

THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

**VEGETATED BIOFILTER**

THIS PLAN UTILIZES VEGETATED BIOFILTER(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AS SHOWN IN THE PLANS TO ANY DISTURBED AREA ON THE SHOULDER AND FORESLOPE DRAINING TO A VEGETATED BIOFILTER. THE DITCH FOR EACH VEGETATED BIOFILTER SHALL BE TRAPEZOIDAL, AS SHOWN IN THE PLAN CROSS SECTIONS. PROVIDE ITEM 670 AS SPECIFIED IN THE PLANS. ALL DITCHES LOCATED WITHIN LIMITS OF VEGETATED BIOFILTER SHALL BE TRAPEZOIDAL AND NOT HAVE ROUNDING.

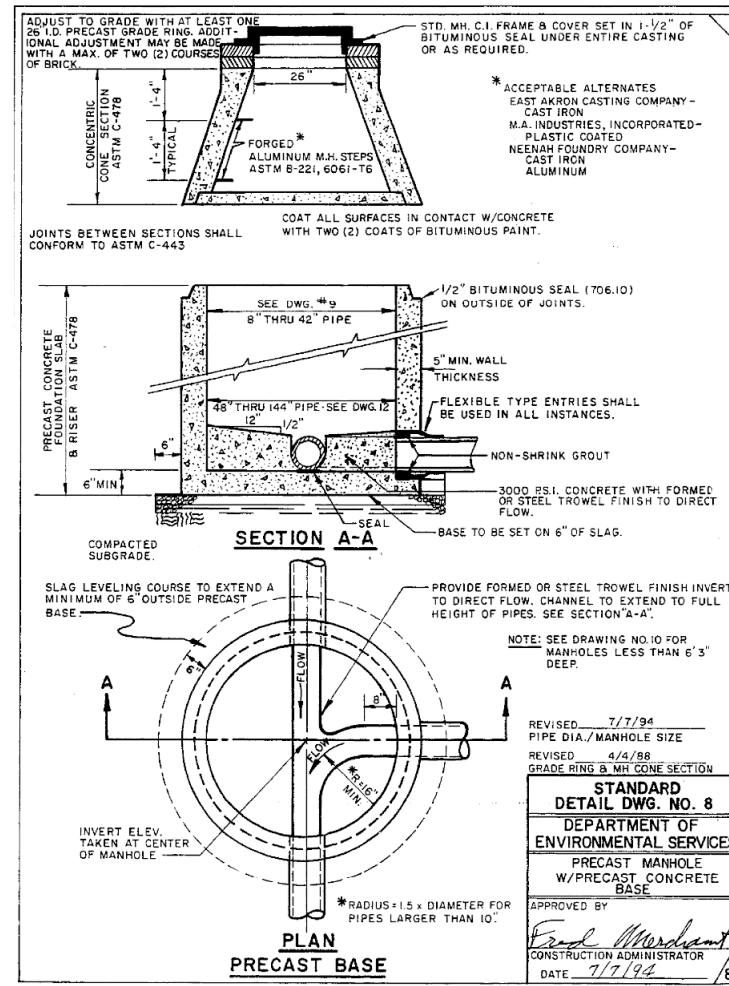
**SANITARY SEWER**

**SUMMIT COUNTY D.O.E.S. SANITARY SEWER NOTES**

ALL SEWER WORK ITEMS AND CONSTRUCTION SHALL CONFORM TO ODOT ITEM 611 AND THE SUMMIT COUNTY D.O.E.S. CONSTRUCTION AND MATERIAL SPECIFICATIONS AND APPLICABLE DETAILS. WHERE THERE IS CONTRADICTION, THE SUMMIT COUNTY D.O.E.S. SPECIFICATIONS WILL TAKE PRECEDENCE.

**ITEM 611 - MANHOLE ADJUSTED TO GRADE, AS PER PLAN (SANITARY)**

THIS ITEM SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY FOR ADJUSTMENT OF THE SANITARY MANHOLES IN ACCORDANCE WITH ODOT ITEM 611 AND THE SUMMIT COUNTY DEPARTMENT OF ENVIRONMENT SERVICES (D.O.E.S.) DETAIL ON THIS SHEET.



**CITY OF AKRON SANITARY SEWER NOTES**

ALL SEWER WORK ITEMS AND CONSTRUCTION SHALL CONFORM TO ODOT ITEM 611 AND THE CITY OF AKRON CONSTRUCTION AND MATERIAL SPECIFICATIONS AND APPLICABLE DETAILS. WHERE THERE IS CONTRADICTION, THE CITY OF AKRON SPECIFICATIONS WILL TAKE PRECEDENCE.

**ITEM 611 - MANHOLE NO. 3, AS PER PLAN (SANITARY)**

THIS ITEM SHALL CONSIST OF CONSTRUCTING A SANITARY SEWER MANHOLE IN ACCORDANCE WITH ODOT ITEM 611 AND ODOT STANDARD CONSTRUCTION DRAWING MH-1.2 EXCEPT THAT A SEALED AND WATER-TIGHT LID MUST BE PROVIDED DUE TO THE PROXIMITY OF THE ADJACENT STREAM. THIS ITEM SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY FOR CONSTRUCTION OF THE SANITARY MANHOLES.

**ENVIRONMENTAL**

**WETLAND IMPACTS/AVOIDANCE**

FOR WETLAND IMPACTS, PLEASE REFER TO THE NOTE SHOWN ON SHEET 8DEI8

**TEMPORARY WETLAND IMPACT**

TEMPORARY ACCESS FILLS IN WETLAND A MUST BE REMOVED ENTIRELY AND WETLAND A MUST BE RETURNED TO PRE-CONSTRUCTION CONTOURS. ANY TOPSOIL REMOVED FROM THE WETLAND WILL BE STOCKPILED AND REPLACED POST-CONSTRUCTION. THE AREAS SURROUNDING THE STOCKPILES ARE TO BE PROTECTED FROM SEDIMENT WITH THE USE OF PERIMETER CONTROL DEVICES SUCH AS EARTH, STRAW BALES OR SILT FENCES. THESE PERIMETER CONTROL DEVICES SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. RESTORE ALL STOCKPILE AND PLACEMENT AREAS UPON COMPLETION OF THE PROJECT. ANY BARE AREAS WITHIN THE TEMPORARY WETLAND IMPACT BOUNDARIES WILL NEED TO BE RESEED WITH A NATIVE, NON-INVASIVE SPECIES SEED MIX. ERNMX-128 SEASONALLY FLOODED WILDLIFE FOOD MIX OR EQUIVALENT AT A SEEDING RATE OF 20 LB PER ACRE OR 1/2 LB PER 1,000 SQ FT.

**BEST MANAGEMENT PRACTICES/SOIL EROSION AND SEDIMENTATION CONTROL**

ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE IN PLACE PRIOR TO ANY EXCAVATION, GRADING OR FILLING OPERATIONS AND INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES. THEY SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND THE AREA IS STABILIZED AS ACCEPTED BY THE ENGINEER.

**ENDANGERED BAT HABITAT REMOVAL**

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

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GENERAL NOTES

SUM-77 / 277 / 224  
VARIOUS

REVISIONS		
NO.	DATE	DESCRIPTION
4	04/20/21	WETLAND NOTE REVISED
5	04/22/21	ROCK CHANNEL PROT. NOTE ADDED
6	04/26/21	ROCK CHANNEL PROT. NOTE ADDED

72  
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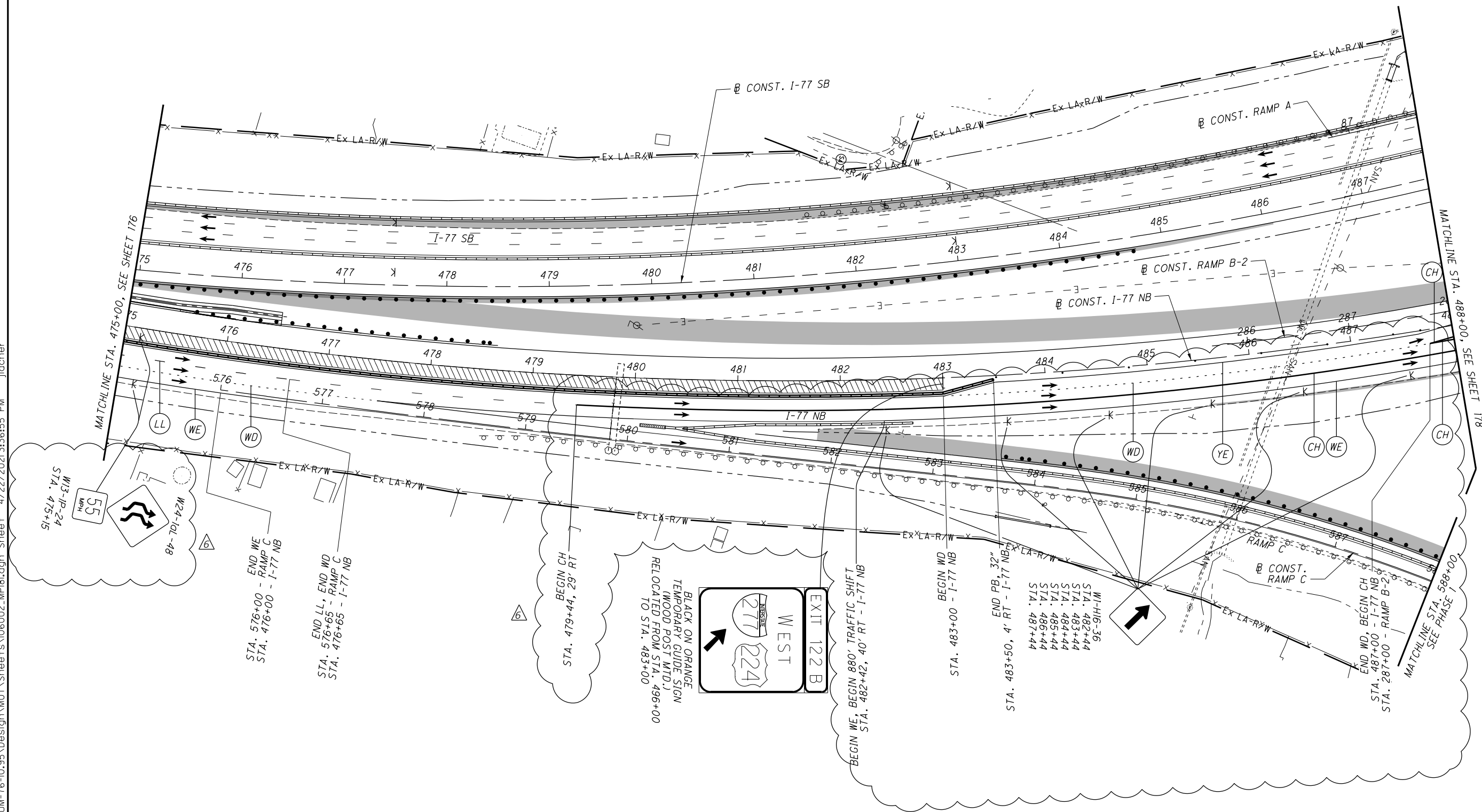


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**SUM-77 / 277 / 224**  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 1B**  
**I-77 - STA. 475+00 TO STA. 488+00**

**VARIOUS**

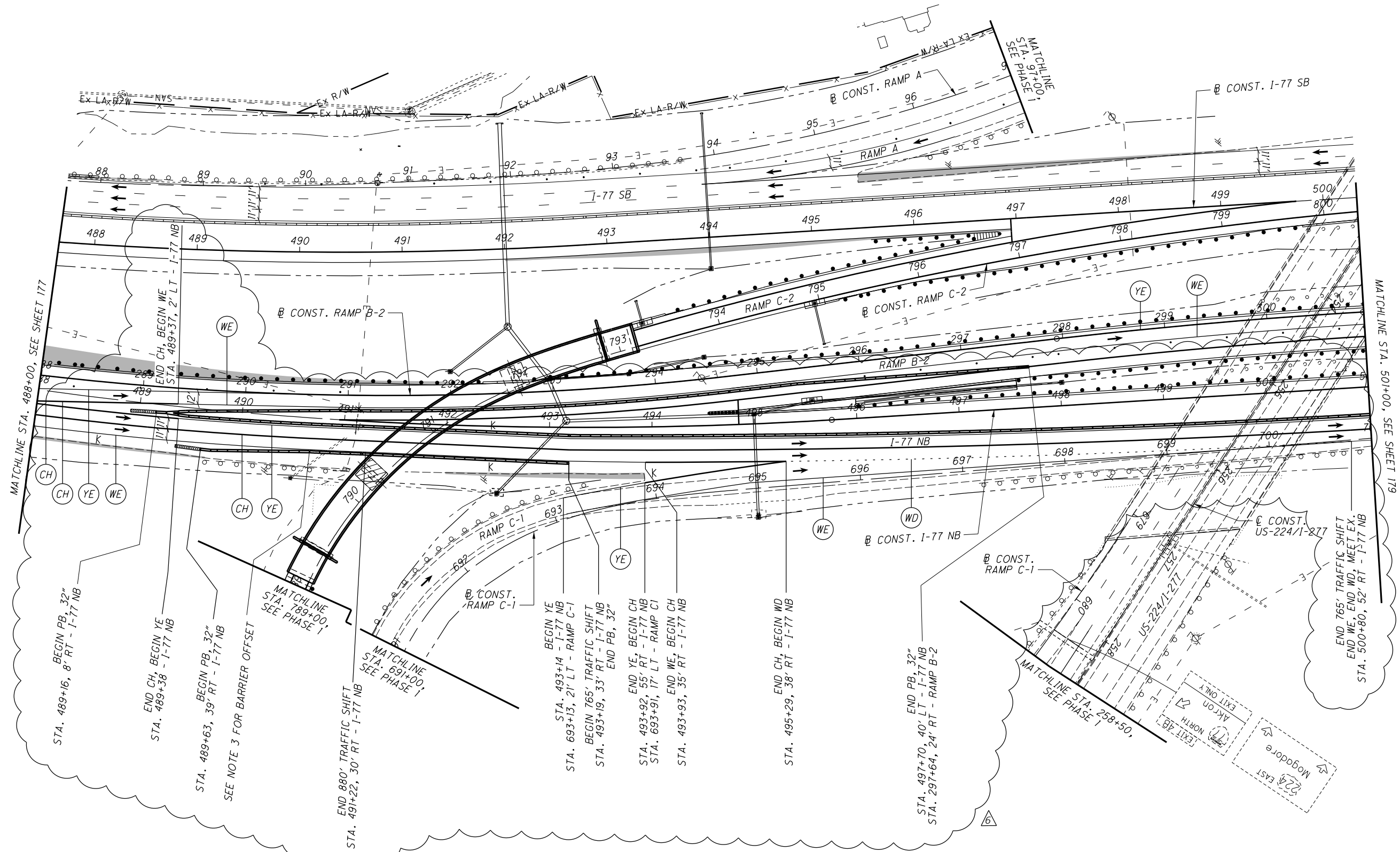
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- NOTES:
1. SEE SHEET 128 FOR MOT LEGEND AND DRUM SPACING CHART.
  2. SEE SHEETS 157-170 FOR RAMP C CROSS SECTIONS.
  3. MOT SIGNS AND DEVICES ARE EXISTING FROM PHASE 1 UNLESS OTHERWISE NOTED.

REVISIONS		
NO.	DATE	DESCRIPTION
6	04/23/21	I-77 NB LANE SHIFT/SIGNING CHANGES

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NOTES:

1. SEE SHEET 128 FOR MOT LEGEND AND DRUM SPACING CHART.
2. MOT SIGNS AND DEVICES ARE EXISTING FROM PHASE 1 UNLESS OTHERWISE NOTED.
3. OFFSET TO NB RIGHT BARRIER IS 1' FROM STA. 490+69 TO STA. 493+19.

REVISIONS		
NO.	DATE	DESCRIPTION
6	04/23/21	I-77 NB LANE SHIFT/SIGNING CHANGES

**SUM-77 / 277 / 224**

**VARIOUS**

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1B**

**I-77 - STA. 488+00 TO STA. 501+00**

CALCULATED

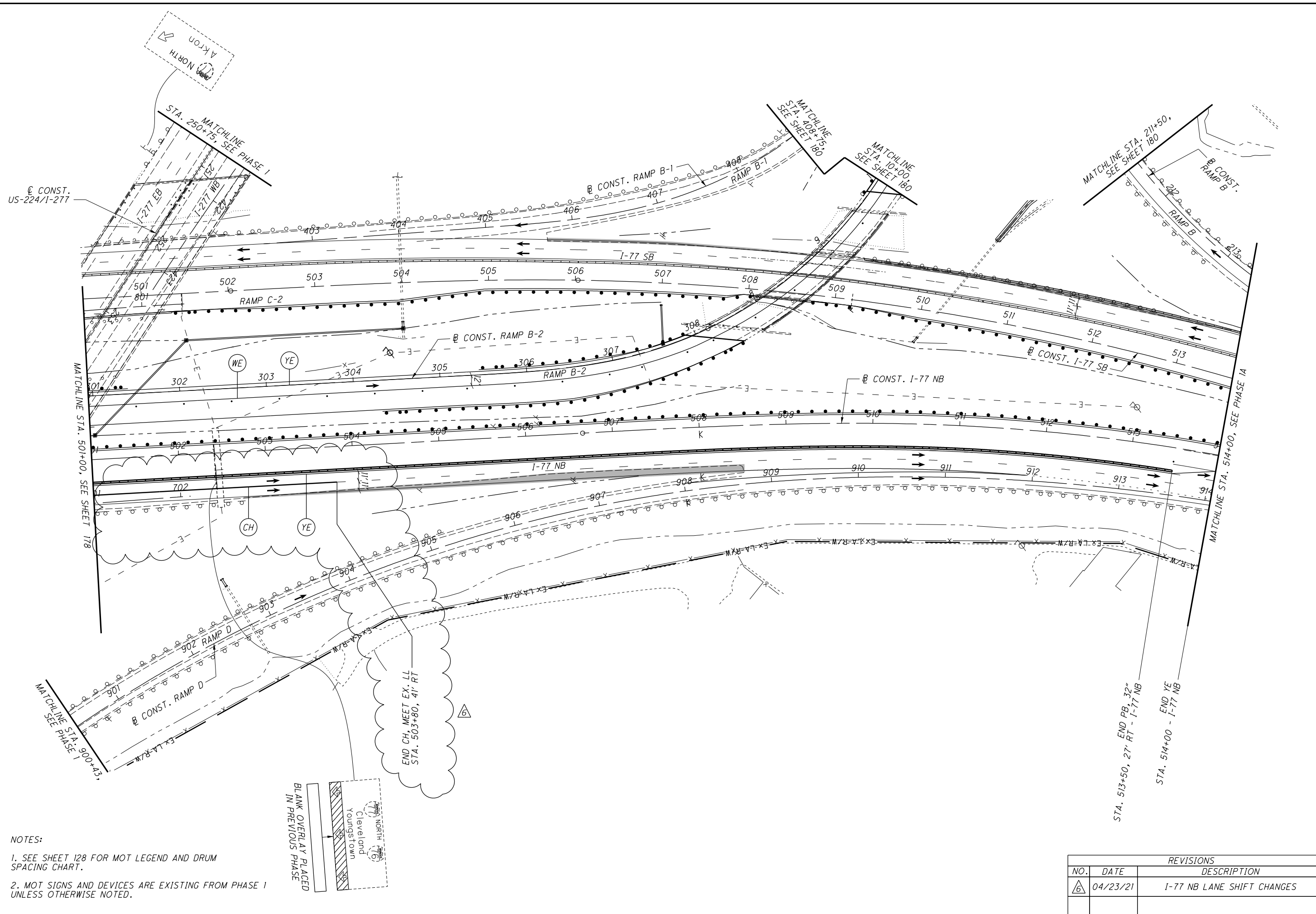
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HORIZONTAL SCALE IN FEET

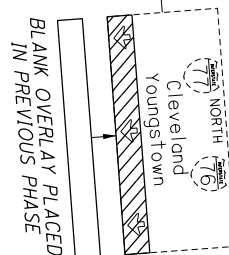
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- NOTES:
1. SEE SHEET 128 FOR MOT LEGEND AND DRUM SPACING CHART.
  2. MOT SIGNS AND DEVICES ARE EXISTING FROM PHASE 1 UNLESS OTHERWISE NOTED.



REVISIONS		
NO.	DATE	DESCRIPTION
6	04/23/21	I-77 NB LANE SHIFT CHANGES

SUM-77 / 277 / 224  
MAINTENANCE OF TRAFFIC PLAN - PHASE 1B  
I-77 - STA. 501+00 TO STA. 514+00  
VARIOUS

179  
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CHECKED

HORIZONTAL SCALE IN FEET



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SHEET NUMBER							PARTICIPATION						ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED LRK	CHECKED PJF
73			409	410		911	01/IMS/PV	02/IMS/PV	03/IMS/BR	04/IMS/BR	05/IMS/BR	06/IMS/BR								
			12.2	11.7			21.5	2.4					602	20000	23.9	CY	DRAINAGE CONCRETE MASONRY			
			65167				58650	6517					605	11110	65167	FT	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC			
40			1953				1794	199					605	13410	1993	FT	6" UNCLASSIFIED PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC			
			70071				63064	7007					605	14020	70071	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC			
			1464				1318	146					611	00510	1464	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS			
200			2948				2833	315					611	00900	3148	FT	6" CONDUIT, TYPE B			
200							180	20					611	01100	200	FT	6" CONDUIT, TYPE C			
200							180	20					611	01400	200	FT	6" CONDUIT, TYPE E			
240							216	24					611	01500	240	FT	6" CONDUIT, TYPE F			
			4428				3985	443					611	05900	4428	FT	15" CONDUIT, TYPE B			
													611	05900		FT	15" CONDUIT, TYPE B, 706.02			
			327				294	33					611	06100	327	FT	15" CONDUIT, TYPE C			
			665				599	66					611	06700	665	FT	15" CONDUIT, TYPE F			
				7			6	1					611	07200	7	FT	18" CONDUIT, TYPE A, 706.02			
			1054				949	105					611	07400	1054	FT	18" CONDUIT, TYPE B			
			121				109	12					611	07600	121	FT	18" CONDUIT, TYPE C			
			40				36	4					611	08200	40	FT	18" CONDUIT, TYPE F			
			554				499	55					611	08900	554	FT	21" CONDUIT, TYPE B			
			297				267	30					611	09100	297	FT	21" CONDUIT, TYPE C			
			103				93	10					611	10200	103	FT	24" CONDUIT, TYPE A			
				10			9	1					611	10200	10	FT	24" CONDUIT, TYPE A, 706.02			
			101				91	10					611	10400	101	FT	24" CONDUIT, TYPE B			
							7	1					611	10400	8	FT	24" CONDUIT, TYPE B, 706.02			
			183				165	18					611	13400	183	FT	30" CONDUIT, TYPE B			
			90				81	9					611	13600	90	FT	30" CONDUIT, TYPE C			
			44				40	4					611	16400	44	FT	36" CONDUIT, TYPE B			
			130				117	13					611	16600	130	FT	36" CONDUIT, TYPE C			
				16			14	2					611	23600	16	FT	60" CONDUIT, TYPE A, 706.02			
				12			11	1					611	25000	12	FT	66" CONDUIT, TYPE A, 706.02			
				20			18	2					611	30000	20	FT	96" CONDUIT, TYPE A, 707.02, 707.03 OR 707.04			
					16							16	611	95001	16	FT	10' X 5' CONDUIT, TYPE A, 706.05, AS PER PLAN			911
				317			285	32					611	96550	317	FT	FIELD PAVING OF EXISTING PIPE, 96" 707.02, 707.03 OR 707.04			
				20			18	2					611	96560	20	FT	CONDUIT, FIELD PAVING OF PIPE, 96" 707.02, 707.03 OR 707.04			
			460				414	46					611	96600	460	FT	CONDUIT, BORED OR JACKED, 15", TYPE B, 748.06			70
			155				140	15					611	96600	155	FT	CONDUIT, BORED OR JACKED, 18", TYPE B, 748.06			70
			102				92	10					611	96600	102	FT	CONDUIT, BORED OR JACKED, 24", TYPE B, 748.06			70
				294			265	29					611	96600	294	FT	CONDUIT, BORED OR JACKED, 30", TYPE A, 748.06			70
			199				179	20					611	96600	199	FT	CONDUIT, BORED OR JACKED, 42", TYPE B, 748.06			70
			22				20	2					611	97400	22	FT	CONDUIT, MISC.: 18", TYPE B, 748.06, OPEN CUT			70
				46			41	5					611	97400	46	FT	CONDUIT, MISC.: 30", TYPE A, 748.06, OPEN CUT			70
			1				1						611	98151	1	EACH	CATCH BASIN, NO. 3, AS PER PLAN			71
			6				5	1					611	98180	6	EACH	CATCH BASIN, NO. 3A			
			2				2						611	98370	2	EACH	CATCH BASIN, NO. 6			
			1				1						611	98371	1	EACH	CATCH BASIN, NO. 6, AS PER PLAN			71
			13				12	1					611	98410	13	EACH	CATCH BASIN, NO. 8			
			7				6	1					611	99100	7	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE BI			
			21				19	2					611	99110	21	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE CI			
			1				1						611	99111	1	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE CI, AS PER PLAN			70
			3				3						611	99114	3	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D			
			6				5	1					611	99574	6	EACH	MANHOLE, NO. 3			
			1				1						611	99661	1	EACH	MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN			70
4			64				61	7					611	99710	68	EACH	PRECAST REINFORCED CONCRETE OUTLET			
10000							9000	1000					SPECIAL	61199820	10000	LB	MISCELLANEOUS METAL			70

**GENERAL SUMMARY**

**SUM-77 / 277 / 224**  
**VARIOUS**

REVISIONS		
NO.	DATE	DESCRIPTION
6	04/26/21	REVISED CONDUITS, BORED OR JACKED

404  
1288

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SHEET NO.	601	601	601	601	601	601	601	601	601	670				671			836	836				
	ROCK CHANNEL PROTECTION, TYPE C WITH AGGREGATE FILTER, AS PER PLAN	ROCK CHANNEL PROTECTION, TYPE D WITH AGGREGATE FILTER, AS PER PLAN	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT	ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	ROCK CHANNEL PROTECTION, TYPE C WITH AGGREGATE FILTER	PAVED GUTTER, TYPE 1-2, AS PER PLAN		DITCH EROSION PROTECTION				EROSION CONTROL MAT, TYPE G			SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2				
	CY	CY	SY	SY	CY	CY	CY	FT		SY				SY			SY	SY				
420				47		21	7			8628							3823	299				
421	17	122				8	2			7616				242			594					
422	160	127		47	12	41	8	507		4016						1018						
432			8																			
433			22																			
434			24																			
435			14																			
436			14																			
437			18																			
438			28																			
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>	177	249	128	94	12	70	17	507		20260				242			5435	299				
<b>SHEET NO.</b>																						
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>																						

REVISIONS		
NO.	DATE	DESCRIPTION
5	04/22/21	REVISED ITEM 601 - RCP QUANTITY
6	04/26/21	REVISED ITEM 601 - RCP QUANTITY

<b>EROSION CONTROL SUBSUMMARY</b>	<b>SUM-77 / 277 / 224</b>
CALCULATED LRK	CHECKED PJF
<b>VARIOUS</b>	
(408) 1288	



O:\2017\258\ProjectData\SUM\06002\Design\Roadway\Sheets\06002\_G5010.dgn\_Sheet 4/26/2021 10:26:02 AM p.fry

SHEET NO.	602		605	605	605	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	
	CONCRETE MASONRY		6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	6" UNCLASSIFIED PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	CONDUIT, BORED OR JACKED, 24", TYPE B, 748.06	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	6" CONDUIT, TYPE B	15" CONDUIT, TYPE B	15" CONDUIT, TYPE B, 706.02	15" CONDUIT, TYPE C	15" CONDUIT, TYPE F	18" CONDUIT, TYPE B	18" CONDUIT, TYPE C	18" CONDUIT, TYPE F	21" CONDUIT, TYPE B	21" CONDUIT, TYPE C	24" CONDUIT, TYPE A	24" CONDUIT, TYPE B	24" CONDUIT, TYPE B, 706.02	30" CONDUIT, TYPE B	30" CONDUIT, TYPE C	
	CY		FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	
428	9.4																						
429	2.8																						
430						102																	
432			8408	761	7575		108	480															
433			8401		5895		223	355															
434			5932		4821		262	324															
435			11038	213	9384		161	329															
436			8872	74	13783		216	356															
437			12652		13307		255	462															
438			9415	218	12863		231	382															
439			449	687	2443		8	260															
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>		12.2	65167	1953	70071	102	1464	2948	4428	9	327	665	1054	121	40	554	297	103	101	8	183	90	
SHEET NO.	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	
	36" CONDUIT, TYPE B	36" CONDUIT, TYPE C	CONDUIT, BORED OR JACKED, 15", TYPE B, 748.06	CONDUIT, BORED OR JACKED, 18", TYPE B, 748.06	CONDUIT, BORED OR JACKED, 42", TYPE B, 748.06	CONDUIT, MISC.: 18", TYPE B, 748.06, OPEN CUT	27" CONDUIT, TYPE C, 707.48 (SANITARY)	CATCH BASIN, NO. 3, AS PER PLAN	CATCH BASIN, NO. 3A	CATCH BASIN, NO. 6	CATCH BASIN, NO. 6, AS PER PLAN	CATCH BASIN, NO. 8	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE BI	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE CI	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE CI, AS PER PLAN	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D	MANHOLE, NO. 3	MANHOLE, NO. 3 (SANITARY)	MANHOLE, NO. 3, AS PER PLAN (SANITARY)	MANHOLE ADJUSTED TO GRADE, AS PER PLAN (SANITARY)	MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN	PRECAST REINFORCED CONCRETE OUTLET	
	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
417													7	8									
418								1	6	2	1	13		13	1	3	6						
419																					1		
429	44	65	340		199																		
430		65	120	155		22																	
431							126											1	2	2			
432																						4	
433																						11	
434																						12	
435																						7	
436																						7	
437																						9	
438																						14	
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>		44	130	460	155	199	22	126	1	6	2	1	13	7	21	1	3	6	1	2	2	1	64

<b>DRAINAGE SUBSUMMARY</b>												
<b>SUM-77 / 277 / 224</b>												
<b>VARIOUS</b>												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>REVISIONS</th> <th>DESCRIPTION</th> </tr> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">04/26/21</td> <td>REVISED CONDUITS, BORED OR JACKED</td> <td></td> </tr> </table>	NO.	DATE	REVISIONS	DESCRIPTION	6	04/26/21	REVISED CONDUITS, BORED OR JACKED					
NO.	DATE	REVISIONS	DESCRIPTION									
6	04/26/21	REVISED CONDUITS, BORED OR JACKED										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">CALCULATED</td> <td style="text-align: center;">LTK</td> <td style="text-align: center;">CHECKED</td> <td style="text-align: center;">PJF</td> </tr> <tr> <td style="text-align: center;">(409)</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">(1288)</td> <td></td> <td></td> <td></td> </tr> </table>	CALCULATED	LTK	CHECKED	PJF	(409)				(1288)			
CALCULATED	LTK	CHECKED	PJF									
(409)												
(1288)												

REF. NO.	SHEET NO.	STATION		SIDE	601		601		601		601		670		671		836		
		FROM	TO		CY	CY	CY	CY	CY	CY	SY	SY	SY	SY	SY	SY	SY		
E-46	461	427+40.06 (I.R. 77)		LT						1.33									
E-47	463	431+63.18 (I.R. 77)		LT						1.33									
E-48	461	426+72.66 (I.R. 77)		RT						1.33									
E-49	463	431+06.54 (I.R. 77)		RT						1.33									
E-50	495	25+00.81 (RAMP B-2)		RT						1.33									
E-51	496	31+85.70 (RAMP B-2)		RT						1.33									
E-53	476	480+50.00 (SB I.R. 77)	482+00.00 (SB I.R. 77)	LT									122.40						
E-54	488	206+00.00 (RAMP B)		LT								1.56							
E-55	476	482+00.00 (SB I.R. 77)	484+50.00 (SB I.R. 77)	LT													203.47		
E-56	476	484+50.00 (SB I.R. 77)	487+00.00 (SB I.R. 77)	LT										297.82					
E-57	472	481+43.00 (NB I.R. 77)	483+00.00 (NB I.R. 77)	LT										250.69					
E-58	472	483+00.00 (NB I.R. 77)	286+00.00 (RAMP B-2)	LT										363.39					
E-59	492	286+00.00 (RAMP B-2)	290+50.00 (RAMP B-2)	LT										545.60					
E-60	472	483+00.00 (NB I.R. 77)	486+50.00 (NB I.R. 77)	RT										297.05					
E-61	472 , 473	486+50.00 (NB I.R. 77)	488+50.00 (NB I.R. 77)	RT										249.08					
E-62	476 , 477	484+00.00 (SB I.R. 77)	493+00.00 (NB I.R. 77)	RT										754.36					
E-63	477	493+00.00 (SB I.R. 77)	494+00.00 (SB I.R. 77)	RT										150.36					
E-64	477	494+00.00 (SB I.R. 77)	495+57.00 (SB I.R. 77)	RT										131.12					
E-65	492	290+50.00 (RAMP B-2)	292+00.00 (RAMP B-2)	LT										181.88					
E-66	473	490+92.96 (NB I.R. 77)	492+50.00 (NB I.R. 77)	RT										195.29					
E-67	473	492+50.00 (NB I.R. 77)	493+50.00 (NB I.R. 77)	RT										125.21					
E-68	492 , 493	294+50.00 (RAMP B-2)	296+06.92 (RAMP B-2)	LT										130.72					
E-69	493	297+50.00 (RAMP B-2)	299+51.15 (RAMP B-2)	RT										166.66					
E-70	500	689+00.00 (RAMP C-1)	692+00.00 (RAMP C-1)	LT										287.89					
E-71	500	692+00.00 (RAMP C-1)	692+47.47 (RAMP C-1)	LT										47.38					
E-72	500	690+50.00 (RAMP C-1)	692+50.00 (RAMP C-1)	RT										222.52					
E-73	500	693+50.00 (RAMP C-1)	694+97.52 (RAMP C-1)	RT										247.29					
E-74	500	694+97.52 (RAMP C-1)	696+50.00 (RAMP C-1)	RT										186.62					
E-75	500	696+50.00 (RAMP C-1)	697+50.00 (RAMP C-1)	RT										83.34					
E-76	493	301+00.00 (RAMP B-2)	305+50.00 (RAMP B-2)	RT										375.12					
E-77	474	507+50.00 (NB I.R. 77)	508+50.00 (NB I.R. 77)	LT										85.08					
E-78	503	799+91.89 (RAMP C-2)	801+48.91 (RAMP C-2)	RT										129.76					
E-79	478	500+88.15 (SB I.R. 77)	504+00.00 (SB I.R. 77)	RT										261.01					
E-80	478	504+00.00 (SB I.R. 77)	507+00.00 (SB I.R. 77)	RT										248.94					
E-81	504	887+98.38 (RAMP D)	890+78.60 (RAMP D)	RT													306.84		
E-82	504	894+00.00 (RAMP D)	896+50.00 (RAMP D)	LT										210.81					
E-83	504	896+50.00 (RAMP D)	897+00.00 (RAMP D)	LT													42.68		
E-84	498	591+50.00 (RAMP C)	592+50.00 (RAMP C)	LT										180.49					
E-85	499	600+00.00 (RAMP C)	600+50.00 (RAMP C)	LT										42.77					
E-86	485	87+71.89 (RAMP A)	91+90.00 (RAMP A)	LT	16.73			121.97							241.99				
E-87	485	92+00.00 (RAMP A)	92+50.00 (RAMP A)	LT													40.82		
E-88	480 , 481	113+00.00 (RAMP A)	232+00.00 (I.R. 277)	LT/RT										796.47					
E-89	486	98+00.00 (RAMP A)	99+00.00 (RAMP A)	LT										80.83					
E-90	477	496+00.00 (SB I.R. 77)	498+00.00 (SB I.R. 77)	LT										167.68					
<b>TOTALS CARRIED TO SUBSUMMARY SHEET</b>					<b>408</b>	17		122			8		2		7616		242		594

CALCULATED CJC  
 CHECKED PJF  
**ESTIMATED QUANTITIES**  
**SUM-77 / 277 / 224**  
**VARIOUS**  
 421  
 1288

REVISIONS		
NO.	DATE	DESCRIPTION
5	04/22/21	REVISED ITEM 601 - RCP QUANTITY
6	04/26/21	REVISED ITEM 601 - RCP QUANTITY

O:\2017\2017258\ProjectData\SUM\06002\Design\Roadway\Sheets\06002\_G0008.dgn Sheet 4/26/2021 9:22:22 AM p fry

REF. NO.	SHEET NO.	STATION		SIDE	601 ROCK CHANNEL PROTECTION, TYPE C WITH AGGREGATE FILTER, AS PER PLAN	601 ROCK CHANNEL PROTECTION, TYPE D WITH AGGREGATE FILTER, AS PER PLAN	601 TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT	601 ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC	601 ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	601 ROCK CHANNEL PROTECTION, TYPE C WITH AGGREGATE FILTER	601 PAVED GUTTER, TYPE 1-2, AS PER PLAN	670 DITCH EROSION PROTECTION	836 SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE I	CALCULATED CJC	CHECKED PJF
		FROM	TO												
E-91	494	11+97.63 (RAMP B-2)	13+50.00 (RAMP B-2)	RT								145.02			
E-92	478 , 479	510+00.00 (SB I.R. 77)	514+95.00 (SB I.R. 77)	RT								408.44			
E-93	479	512+00.00 (SB I.R. 77)	513+00.00 (SB I.R. 77)	LT								93.99			
E-94	479	514+00.00 (SB I.R. 77)	514+95.00 (SB I.R. 77)	LT								80.99			
E-96	483 , 484	269+40.00 (I.R. 277)	272+00.00 (I.R. 277)	LT								318.02			
E-97	487	109+50.00 (RAMP A)	113+00.00 (RAMP A)	LT								290.89			
E-99	486	99+00.00 (RAMP A)	99+54.51 (RAMP A)	LT				37.82							
E-100	486	102+00.00 (RAMP A)	103+50.00 (RAMP A)	RT								130.61			
E-101	486	101+50.00 (RAMP A)	102+00.00 (RAMP A)	RT									44.46		
E-102	485	87+00.00 (RAMP A)	87+50.00 (RAMP A)	LT									59.75		
E-103	495	26+50.00 (RAMP B-2)	29+00.00 (RAMP B-2)	RT									209.31		
E-104	488 , 489	206+25.00 (RAMP B)	210+50.00 (RAMP B)	LT	159.77	126.56							223.37		
E-105	488	206+00.00 (RAMP B)	206+18.25 (RAMP B)	LT					7.67						
E-106	488	204+50.00 (RAMP B)	206+00.00 (RAMP B)	LT								131.15			
E-107	488	198+00.00 (RAMP B)	203+00.00 (RAMP B)	LT								406.98			
E-108	488	25+00.00 (RAMP B-2)	198+00.00 (RAMP B)	RT/LT									108.09		
E-109	495	25+00.00 (RAMP B-2)	26+50.00 (RAMP B-2)	RT								183.34			
E-110	490	413+00.00 (RAMP B-1)	416+50.00 (RAMP B-1)	RT								361.20			
E-111	490	408+50.17 (RAMP B-1)	411+00.00 (RAMP B-1)	RT								240.16			
E-112	494	14+00.00 (RAMP B-2)	14+00.00 (RAMP B-2)	RT			6.67								
E-113	494	14+00.00 (RAMP B-2)	15+30.60 (RAMP B-2)	RT								105.83			
E-114	494	16+21.88 (RAMP B-2)	14+80.11 (RAMP B-2)	LT								177.32			
E-115	495	19+00.00 (RAMP B-2)	21+00.00 (RAMP B-2)	LT								257.70			
E-116	495 , 496	29+00.00 (RAMP B-2)	31+00.00 (RAMP B-2)	RT								244.52			
E-117	490	411+00.00 (RAMP B-1)	413+00.00 (RAMP B-1)	RT								208.23			
E-118	481	240+00.00 (I.R. 277)	241+00.00 (I.R. 277)	LT								84.96			
E-119	469 , 472	473+00.00 (NB I.R. 77)	476+50.00 (NB I.R. 77)	LT						348.97					
E-120	493	295+92.25 (RAMP B-2)	297+50.00 (RAMP B-2)	RT						157.75					
E-121	494	9+98.08 (RAMP B-2)		LT			39.81								
E-123	465	445+72.75 (I.R. 77)	445+85.64 (I.R. 77)	LT				7.22							
E-126	480	230+97.30 (I.R. 277)	231+05.28 (I.R. 277)	RT					1.78						
E-127	497	583+65.35 (RAMP C)	584+20.81 (RAMP C)	RT					1.33						
E-128	504	891+38.08 (RAMP D)	891+47.42 (RAMP D)	RT				4.63							
E-131	487	106+00.00 (RAMP A)	107+50.00 (RAMP A)	LT								125.14			
E-133	480	231+55.13 (I.R. 277)	232+00.00 (I.R. 277)	RT									55.00		
E-134	480	230+00.00 (I.R. 277)	230+97.30 (I.R. 277)	RT									125.40		
E-135	497	584+26.89 (RAMP C)	584+50.00 (RAMP C)	RT								21.29			
E-136	504	891+39.15 (RAMP D)	893+00.00 (RAMP D)	RT									192.02		
<b>TOTALS CARRIED TO SUBSUMMARY SHEET</b>					<b>408</b>	160	127	47	12	41	8	507	4016	1018	

**ESTIMATED QUANTITIES**

**SUM-77 / 277 / 224**  
**VARIOUS**

422  
1288

REVISIONS		
NO.	DATE	DESCRIPTION
5	04/22/21	REVISED ITEM 601 - RCP QUANTITY
6	04/26/21	REVISED ITEM 601 - RCP QUANTITY

O:\2017\258\ProjectData\SUM\06002\Design\Roadway\Sheets\06002\_G0009.dgn Sheet 4/26/2021 9:29:53 AM p fry

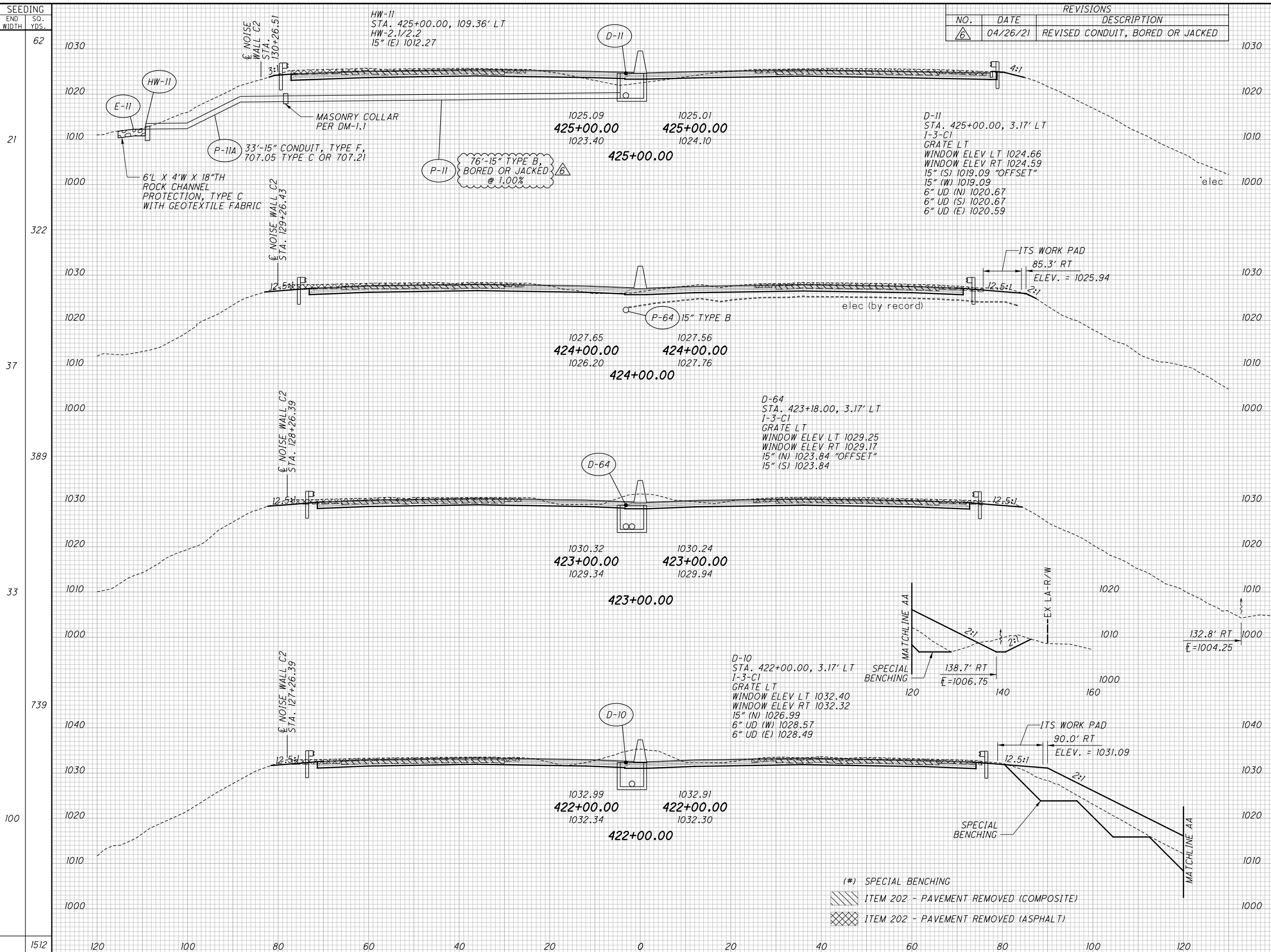
O:\2017\258\ProjectData\SUM\06002\Design\Roadway\Sheets\06002\_G0003.dgn Sheet 4/26/2021 10:55:51 AM pFry

REF. NO.	SHEET NO.	STATION		SIDE	CONDUIT TYPES										CONCRETE MASONRY	CY					
		FROM	TO		15" CONDUIT, TYPE B	CONDUIT, BORED OR JACKED, 15", TYPE B, 748.06	15" CONDUIT, TYPE F	18" CONDUIT, TYPE B	18" CONDUIT, TYPE C	21" CONDUIT, TYPE B	24" CONDUIT, TYPE A	CONDUIT, BORED OR JACKED, 24", TYPE B, 748.06	36" CONDUIT, TYPE B	36" CONDUIT, TYPE C			CONDUIT, BORED OR JACKED, 42", TYPE B, 748.06				
HW-102	465	446+50.00 (I.R. 77)		LT																	
HW-105	480	231+55.13 (I.R. 277)		RT													0.76				
HW-106	497	583+65.35 (RAMP C)		RT													0.33				
																	0.27				
HW-112	465	445+85.63 (I.R. 77)		LT													0.76				
HW-115	480	231+05.28 (I.R. 277)		RT													0.33				
HW-116	497	584+20.81 (RAMP C)		RT													0.27				
P-1	457	D-1	D-2	LT	250																
P-2	457	D-2	D-3	LT					250												
P-3	457	D-3	D-4	LT					250												
P-4	457 , 459	D-4	D-5	LT					254												
P-5	459	D-5	HW-5	RT																	
P-6	459	D-6	D-7	LT	312					110											
P-7	459	D-7	P-7A	RT	88																
P-7A	459	P-7	HW-7	RT				44													
P-8	461	D-8	D-9	LT	305																
P-9	461	D-9	P-9A	LT	73																
P-9A	461	P-9	HW-9	LT				38													
P-10	461	D-10	D-64	LT	118																
P-11	461	D-11	P-11A	LT		76															
P-11A	461	P-11	HW-11	LT				33													
P-12	463	D-12	P-12A	LT		76															
P-12A	463	P-12	HW-12	LT				55													
P-13	463	D-13	D-14	RT	100																
P-14	463	D-14	P-14A	LT		81															
P-14A	463	P-14	HW-14	LT				38													
P-15	463	D-15	D-14	RT	100																
P-16	463	D-16	P-16A	LT	79																
P-16A	463	P-16	HW-16	LT				41													
P-17	463	D-17	D-16	RT	298																
P-18	465	D-18	HW-18	LT		107															
P-19	465	D-19	D-18	RT	290																
P-20	465	D-20	HW-20	RT	102																
P-21	465 , 467	D-21	D-20	RT	298																
P-22	467	D-22	HW-22	RT						102											
P-23	467	D-23	D-23	RT						290											
P-24	467 , 469	D-24	D-23	RT						300											
P-25	469	D-25	D-24	RT	375																
P-26	469	HW-26	HW-25	LT																	
P-26A	492	D-26	DJ-1	LT						103											
P-27	492	D-27	D-28	LT						56											
P-27	492	D-27	D-28	LT					71												
P-28	477	D-28	HW-28	LT											199						
P-29	492	D-29	D-30	LT/RT									44								
P-30	492	D-30	D-28	LT									65								
<b>TOTALS CARRIED TO SUBSUMMARY SHEET</b>					<b>409</b>	2788	340		249	1054	71		456	103	102		44	65	199		2.8

CALCULATED CJC CHECKED PJF	<b>ESTIMATED QUANTITIES</b>	<b>SUM-77 / 277 / 224</b>  <b>VARIOUS</b>
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429  
1288

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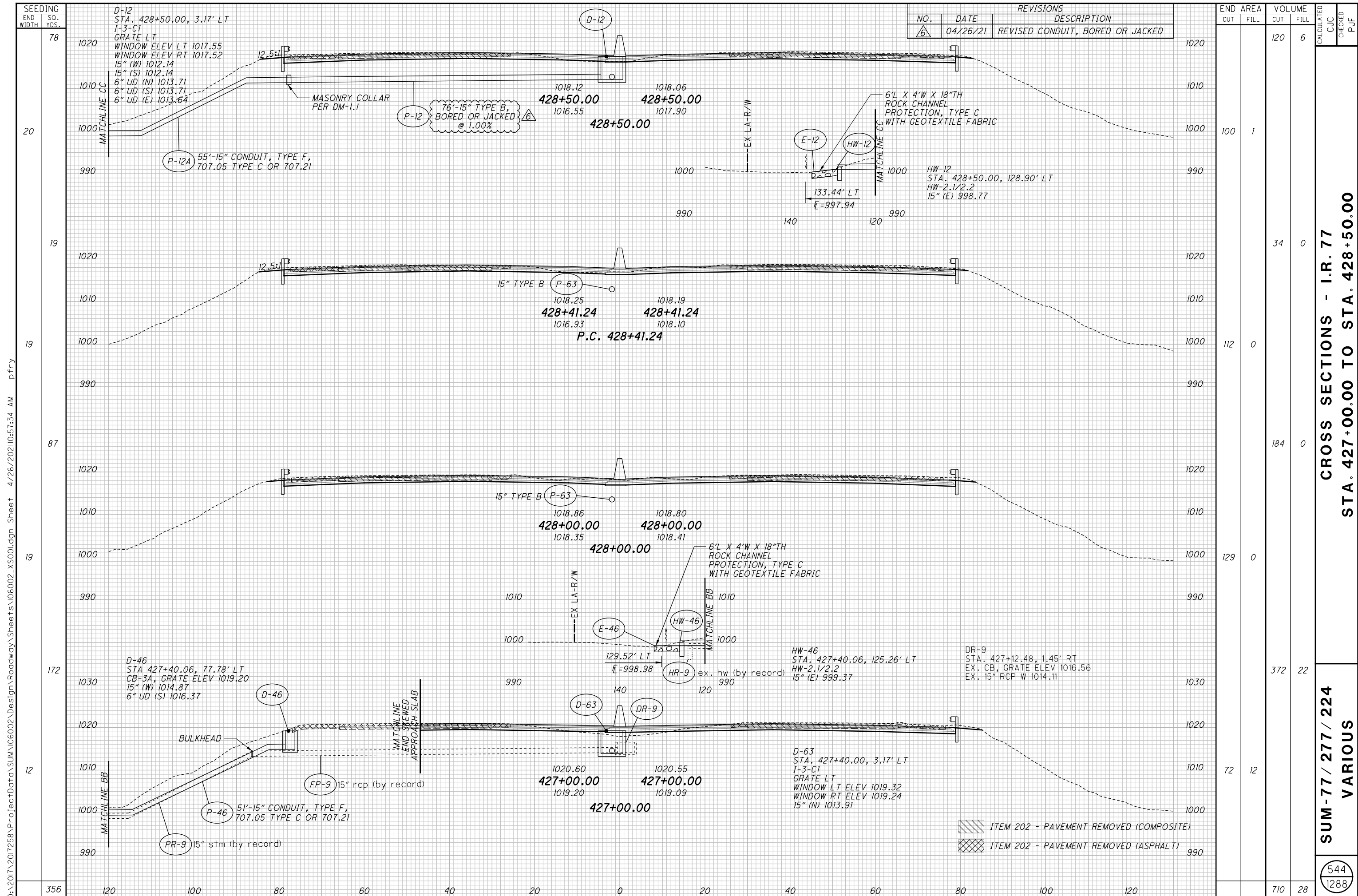
REVISIONS		
NO.	DATE	DESCRIPTION
1	04/26/21	REVISED CONDUIT, BORED OR JACKED

END STA.	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
425+00.00			156	10		
424+00.00	105	16	428	35		
423+00.00	126	3	494	9		
422+00.00	141	2	(239)	(239)		
421+00.00	(129)	(129)	565	313		
420+00.00			(239)	(239)		
TOTAL	1643	367	1643	367		

**SUM-77 / 277 / 224**  
**CROSS SECTIONS - I.R. 77**  
**STA. 422+00.00 TO STA. 425+00.00**  
**VARIOUS**

542  
1288

- (#) SPECIAL BENCHING
- ITEM 202 - PAVEMENT REMOVED (COMPOSITE)
- ITEM 202 - PAVEMENT REMOVED (ASPHALT)



REVISIONS		
NO.	DATE	DESCRIPTION
1	04/26/21	REVISED CONDUIT, BORED OR JACKED

END STA.	END AREA		VOLUME		CALCULATED	CHECKED	P.J.F.
	CUT	FILL	CUT	FILL			
428+50.00			120	6			
428+00.00			34	0			
428+00.00			184	0			
427+00.00			129	0			
427+00.00			372	22			
427+00.00			72	12			
			710	28			

**CROSS SECTIONS - I.R. 77**  
**STA. 427+00.00 TO STA. 428+50.00**

**SUM-77 / 277 / 224**  
**VARIOUS**

544  
 1288

O:\2017\258\ProjectData\SUM\06002\Design\Roadway\Sheets\06002.X5001.dgn Sheet 4/26/2021 10:57:34 AM p.fry

SEEDING  
END WIDTH SO. YDS.  
128  
25  
128  
21  
139  
29  
153  
26  
548

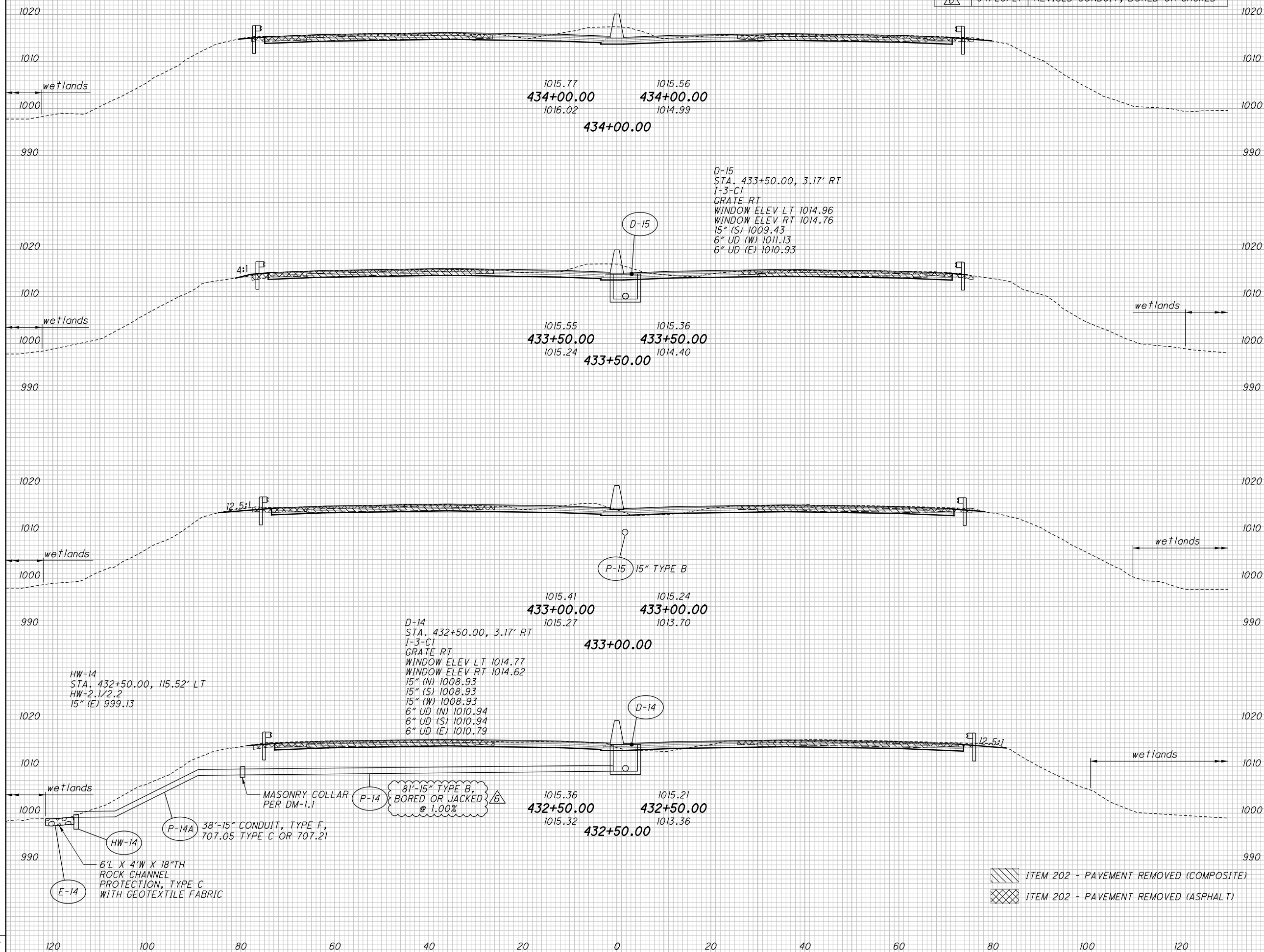
REVISIONS		
NO.	DATE	DESCRIPTION
1	04/26/21	REVISED CONDUIT, BORED OR JACKED

END AREA	VOLUME	CALCULATED	CHECKED				
				CUT	FILL	CUT	FILL
		194	10				
112	5						
		192	13				
95	9						
		156	14				
73	6						
		137	13				
75	8						
		679	50				

CROSS SECTIONS - I.R. 77  
STA. 432+50.00 TO STA. 434+00.00

SUM-77 / 277 / 224  
VARIOUS

547  
1288



ITEM 202 - PAVEMENT REMOVED (COMPOSITE)  
ITEM 202 - PAVEMENT REMOVED (ASPHALT)

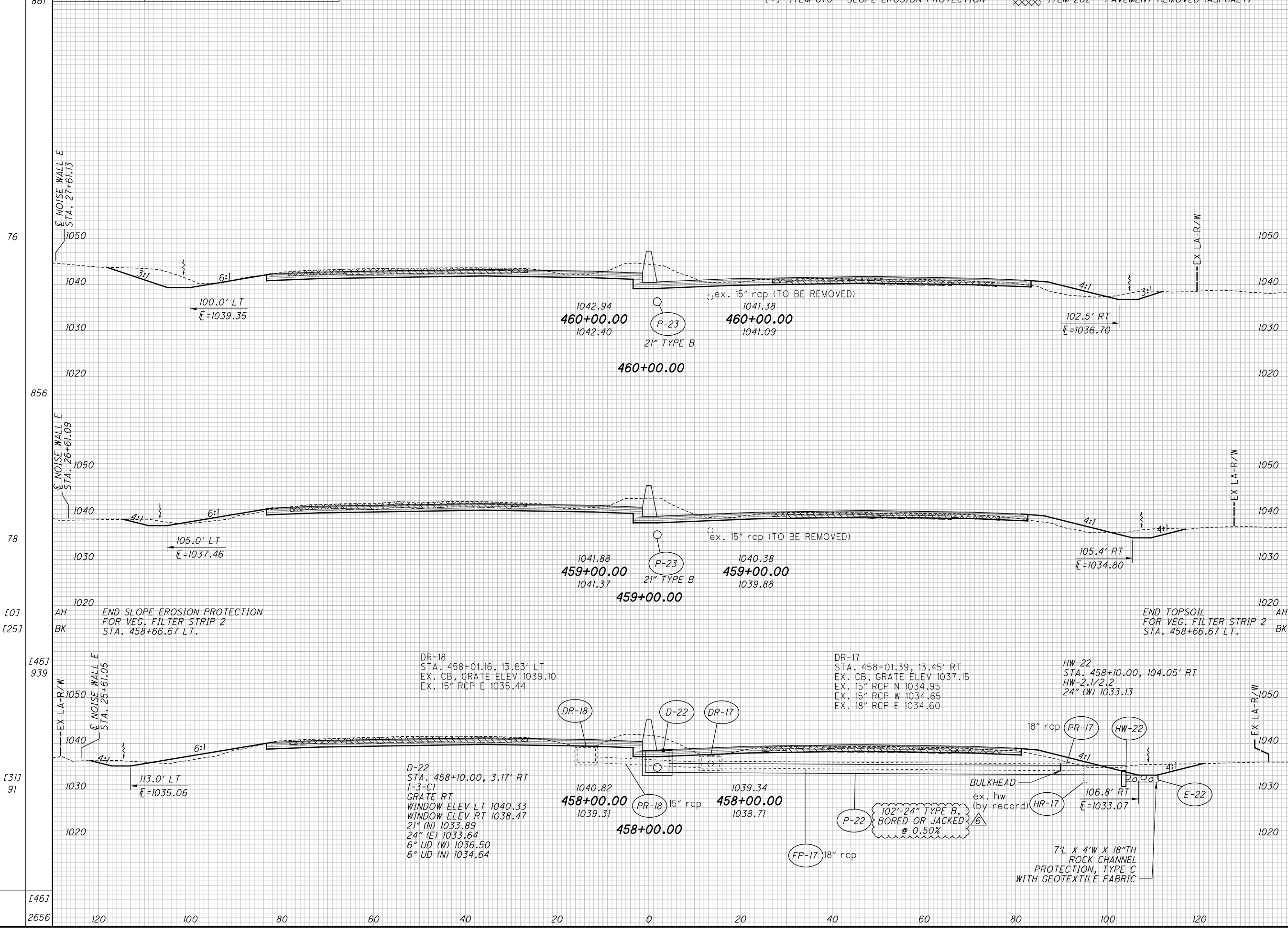
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SEEDING		REVISIONS		
END WIDTH	SO. YDS.	NO.	DATE	DESCRIPTION
	861	1	04/26/21	REVISED CONDUIT, BORED OR JACKED

- >#< ITEM 659 - TOPSOIL
- [#] ITEM 670 - SLOPE EROSION PROTECTION
- ITEM 202 - PAVEMENT REMOVED (COMPOSITE)
- ITEM 202 - PAVEMENT REMOVED (ASPHALT)

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	CJC	PJF
		856	106		

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STATION	CUT	FILL	CUT	FILL	CALCULATED	CHECKED
460+00.00	211	29				
459+00.00	178	36				
458+00.00	167	30				
TOTAL	2215	348				

**SUM-77 / 277 / 224**  
**CROSS SECTIONS - I.R. 77**  
**STA. 458+00.00 TO STA. 460+00.00**  
**VARIOUS**

558  
1288